

# FortiManager 300F

# Register for Support

Register your Fortinet product to receive:

- Technical Support
- New product features
- Protection from new threats

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

La reistrazione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalita
- Protezione dalle ultime minacce

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

登録のお願い

本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。

テクニカルサポート • 新機能の追加 • 新しい脅威への防御

请马上注册

您的飞塔产品

您在注册以后才能得到技术支持、新产品特点信息、最新威胁防护



July 24, 2018

02-560-443236-20180724

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<https://support.fortinet.com>

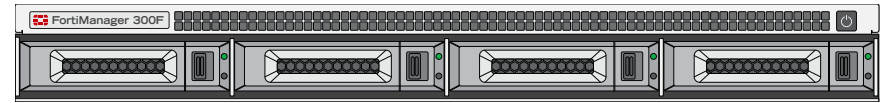
Toll free: 1 866 648 4638

Phone: 1 408 486 7899

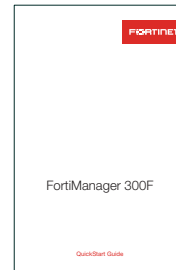
Fax: 1 408 235 7737

Email: [register@fortinet.com](mailto:register@fortinet.com)

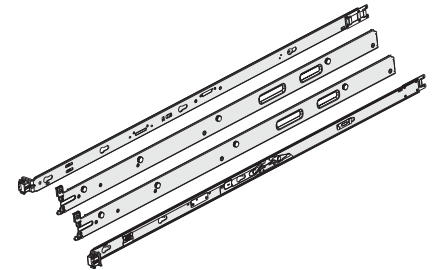
# Box Includes



FortiManager 300F



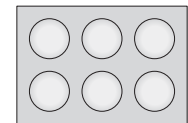
QuickStart Guide



Sliding Rails



Power Cable



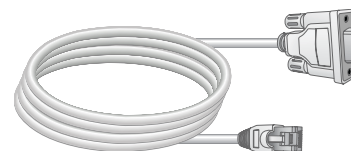
Rubber Feet



Ethernet Cable

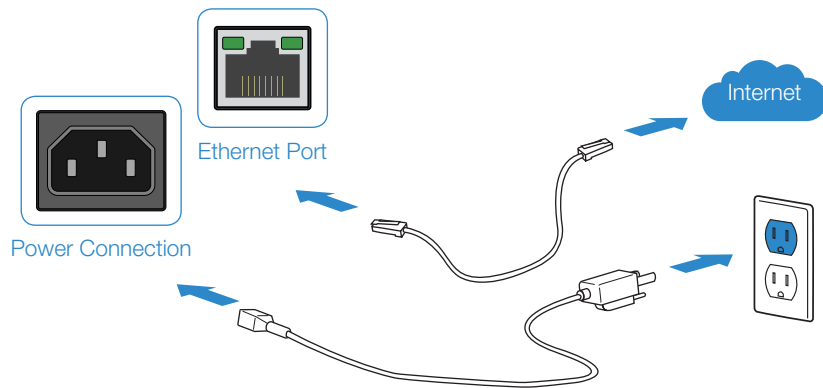


Spare HDD Stickers



Console Cable

## 1 Basic Connections



Connect your device to a [power outlet](#) and an [Internet connection](#). This is usually a modem, but could also be another device on your network.

## 2 Setup Options

A

Web Browser

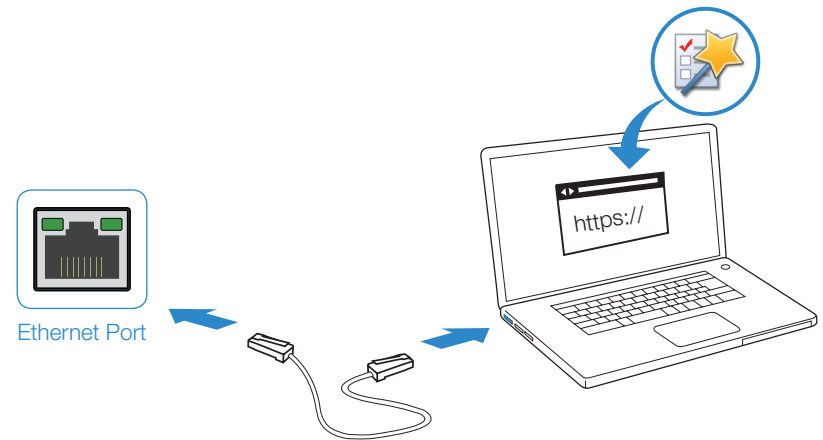
Setup Wizard (p.7)

B

Terminal Emulation

With console cable (p.8)

## A Web Browser



### To Connect to the GUI

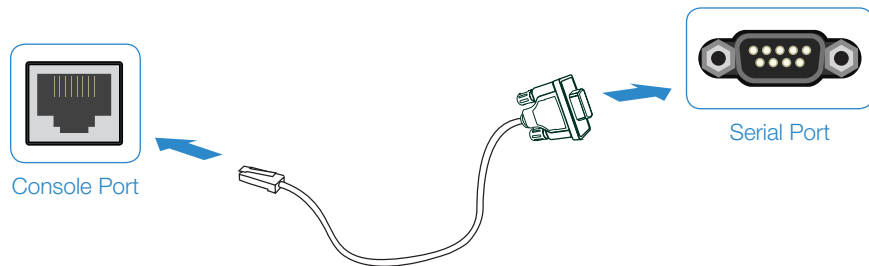
1. Connect the [Ethernet cable](#).
2. Configure the management computer to be on the same [subnet](#) as the internal interface as the FortiManager unit:

**IP address:** 192.168.1.X

**Netmask:** 255.255.255.0

3. Visit [192.168.1.99](#) in your web browser.
4. Login using username "[admin](#)" and [no password](#).
5. [Configure your device](#) and save your settings.
6. [Register your device](#) from the dashboard page.

## B Terminal Emulation



### To Connect to the CLI

1. Connect the device's [console port](#) to the management computer using the provided [console cable](#).
2. Start a [terminal emulation program](#) on the management computer, select the [COM port](#), and use the following settings:

**Baud Rate:** 9600  
**Data bits:** 8  
**Parity:** None  
**Stop bits:** 1  
**Flow Control:** None

3. Press [Enter](#) on your keyboard to [connect to the CLI](#).
4. Login using username "[admin](#)" and no password. You can now proceed with configuring your device.

## 3 Installation

The FortiManager unit can be mounted in any standard [19 inch rack](#) unit with the provided mounting hardware.

*Please also read "Cautions and Warnings" on page 18 prior to installing your device.*

**Caution:** The rack must be [stabilized](#) before sliding the unit out for servicing. Failure to stabilize may cause the rack to tip over.

Electrostatic discharge ([ESD](#)) can damage your Fortinet equipment.

To avoid [personal injury](#) or damage to the unit, it is recommended that [two or more](#) people install the unit into the rack.

Do not place [heavy objects](#) on the unit.

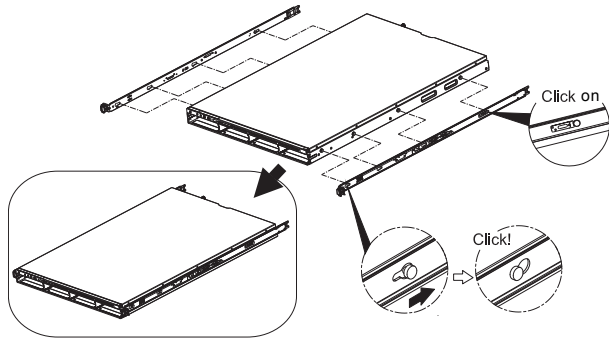
### Rack Precautions

- Ensure the [leveling jacks](#) on the bottom of the rack are [fully extended](#) to the floor with the full weight of the rack resting on the jacks.
- For single rack installation, [stabilizers](#) should be attached to the rack.
- For multiple rack installations, the racks should be [coupled together](#).
- Ensure the rack is [stable](#) before extending a component from the rack.
- Only extend [one component](#) at a time; extending [two or more](#) simultaneously may cause the rack to become [unstable](#).

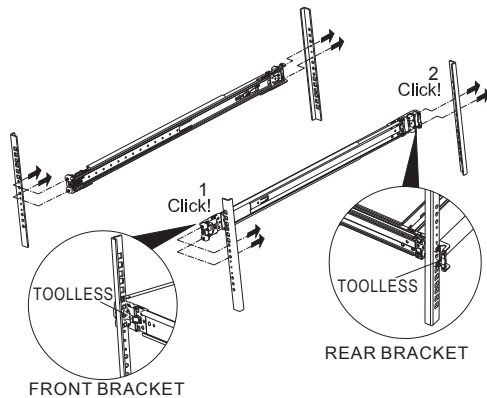
**Note:** After installing the device into the rack, install the hard disk drives into the device.

## To install the unit into a rack

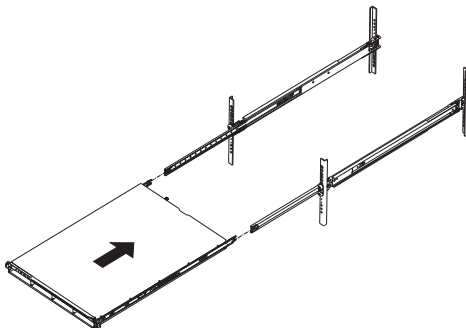
1. Ensure that the FortiManager unit is placed on a stable surface prior to rack-mount installation.
2. Attach the provided **inner rails** to the sides of the unit.



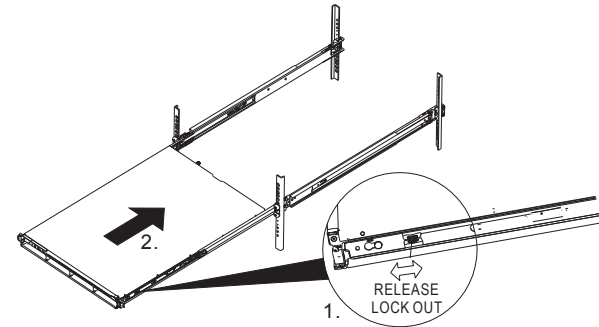
3. Attach the **outer rails** to the rack.



4. Align the inner rails with the outer rails and slide the device onto the rails.



5. Slide the **release tabs** on both sides at the same time, then push the device all the way into the rack.



6. When the unit has been completely pushed into the rack, the **release tabs** will click into the locked position.
7. Plug the supplied **power cables** into the rear of the unit and then into **grounded electrical outlets** or **separate power sources**, such as uninterruptible power supplies (UPS) or power distribution units (PDU).

**Caution:** Electrostatic discharge (ESD) can damage your Fortinet equipment.

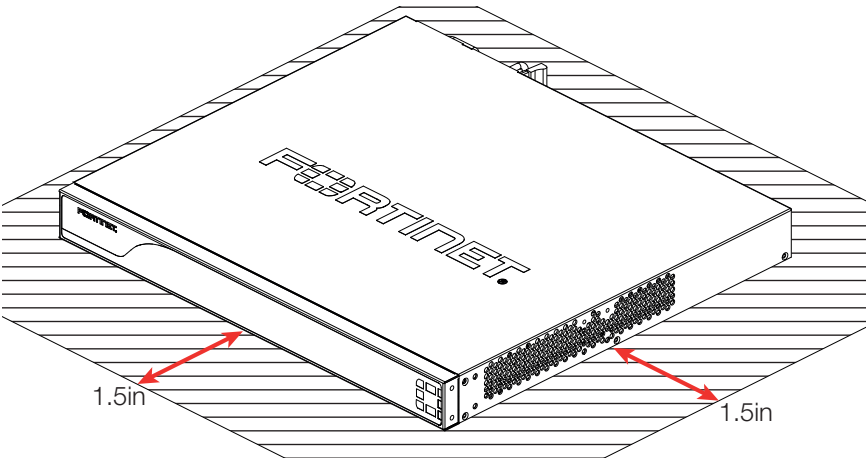
Do not place heavy objects on the unit.

To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.

**Note:** If the unit has a redundant power supply, each power cable should be connected to a different power source. In this way, if one power source fails, the other may still be operational and the unit will not lose power.

To install the unit on a flat surface

- 1. Ensure that the surface onto which the FortiManager unit to be installed is clean, level, and stable and that there is at least 1.5in (3.8cm) of clearance on all sides to allow for adequate airflow.
- 2. Attach the provided rubber feet to the bottom of the FortiManager unit.
- 3. Place the unit in the designated location.
- 4. Verify that the spacing around the FortiManager unit conforms to requirements and that the unit is level.
- 5. Plug the supplied power cables into the rear of the unit and then into grounded electrical outlets or separate power sources, such as uninterruptible power supplies (UPS) or power distribution units (PDU).



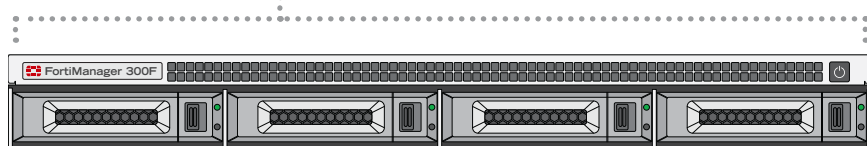
System Behavior and Power Button Usage	
Plug in AC	Automatic system power and BIOS/OS initialization for operating mode
Operating Mode	Press and hold power button for ~4 seconds to force shutdown to enter standby mode
	Press the power button once to interrupt system and perform graceful shutdown. After all HDD Green LEDs turn solid, the user can either unplug the power cord to shutdown the system or long press the power button to have the system enter standby mode.
Standby Mode	Press the power button once to wake up system from standby mode to operating mode
Remove AC	Instant shut off; no power

## HDD Activity

- Green: Hard disk detected
- Flashing Green: Hard disk in use
- Off: Hard disk not detected

## HDD Status

- Flashing Red: Rebuilding
- Red: Hard disk failure
- Off: Normal Operation



## Power Button

- Green: The unit is on
- Flashing Green: The unit is initializing
- Amber: Standby
- Flashing Amber: The unit is on with a warning
- Off: The unit is off

## Ethernet Ports Link/Activity

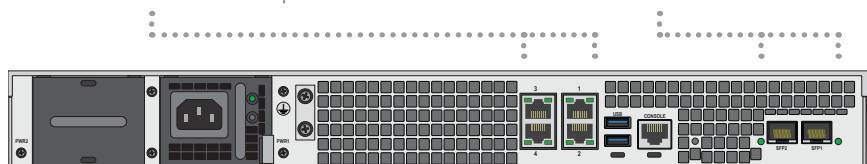
- Green: Connected
- Flashing Green: Transmitting & receiving data
- Off: No link established

## Ethernet Ports Speed

- Green: Connected at 1Gbps
- Amber: Connected at 100Mbps
- Off: Connected at 10Mbps or not in use

## SFP Ports 1 and 2

- Green: Connected
- Flashing Green: Transmitting & receiving data
- Off: No link established



## OK

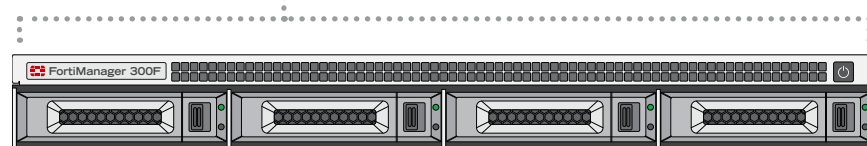
- Green: Standby rail and main output on
- Flashing Green: Standby rail on and main output off
- Off: Error or no power

## FAIL

- Amber: Main output or fan error
- Flashing Amber: Power supply warning event
- Off: No errors or no power

## HDD

Four 4TB hard drives



HDD 1

2

3

4

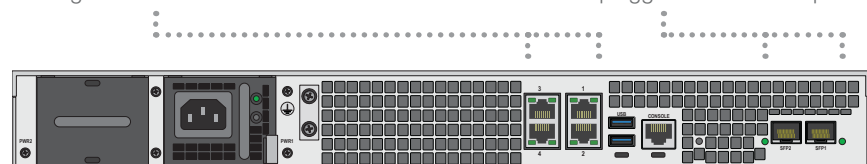
## Power Button

## Ethernet Ports 1 - 4 (RJ-45)

Gigabit Ethernet network connections

## SFP Ports 1 and 2

1 Gbps small form-factor pluggable transceiver ports



## Power

AC: 100-240V AC, 6A, 50/60Hz

## USB (USB A)

USB 3.0 server ports

## Console

Optional connection to the management computer  
Provides access to the CLI

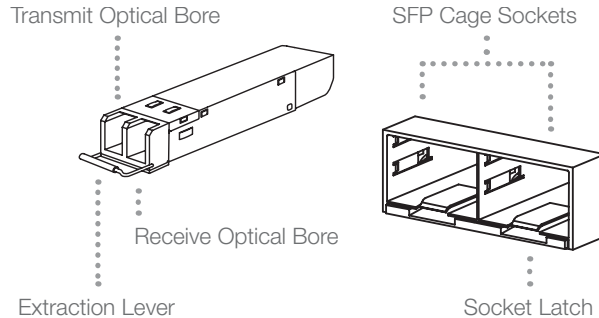


# SFP Transceivers

**Caution:** SFP transceivers are static sensitive devices. Use an ESD wrist strap or similar grounding device when handling transceivers.

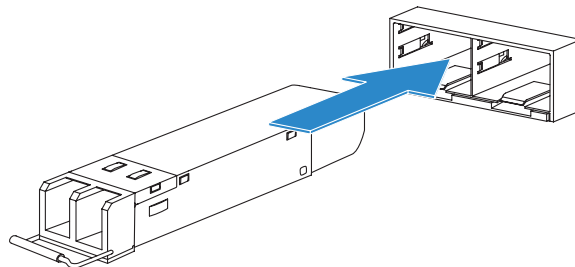
Do not force the SFP transceivers into the cage slots. If the transceiver does not easily slide in and click into place, it may not be aligned correctly or may be upside down. If this happens, remove the SFP transceiver, realign it or rotate it and slide it in again.

**Note:** Installing and removing SFP transceivers can shorten their useful life. Do not install or remove transceivers more than is necessary.



## To install the SFP transceivers

1. Ensure that you are properly grounded.
2. Remove the caps from the SFP cage sockets on the front panel of the unit.
3. Position the SFP transceiver in front of the cage socket opening and ensure that the transceiver is correctly oriented. When the transceiver is correctly oriented, the extraction lever will be level with the socket latch.  
**Note:** SFP cage socket orientation may vary. Ensure that the SFP transceiver module is correctly oriented each time that you are inserting a transceiver.
4. Hold the sides of the SFP transceiver and slide it into the cage socket until it clicks into place.

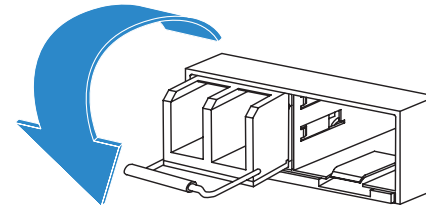


5. Press the transceiver firmly into the cage socket with your thumb.

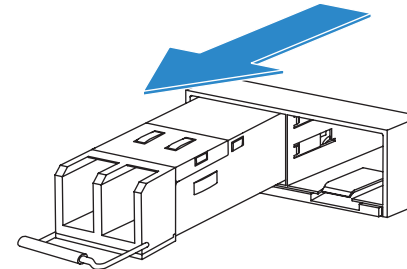
6. Verify that the transceiver is latched correctly by grasping the sides of the transceiver and trying to pull it out without lowering the extraction lever. If the transceiver cannot be removed, it is installed and latched correctly. If the transceiver can be removed, reinsert it and press harder with your thumb. If necessary, repeat this process until the transceiver is securely latched into the cage socket.

## To remove the SFP transceivers

1. Ensure that you are properly grounded.
2. If applicable, disconnect the fiber-optic cable from the transceiver connector and install a clean dust plug in the transceiver's optical bores.
3. Pull the extraction lever out and down to eject the transceiver. If you are unable to use your finger to open the lever, use a small flat-head screwdriver or other similar tool to open the lever.



4. Hold the sides of the transceiver and carefully pull it away from the cage socket.



5. Replace the cap on the SFP cage socket and place the removed SFP transceiver into an antistatic bag.

**Caution:** Do not install or remove SFP transceivers while fiber-optic cables are still attached. This can cause damage to the cables, cable connectors, and the optical interfaces. It may also prevent the transceiver from latching correctly into the socket connector.

**Note:** Follow proper fiber-optic handling procedures when installing and removing SFP transceivers to ensure the devices remain clean and are not damaged.

## Cautions and Warnings

### Environmental Specifications

Ambient operating temperature: 0C to 40C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:  
Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.  
Température ambiante élevée – S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (Tma) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.  
Ventilation réduite – Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.  
Chargement Mécanique – Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas lié à un chargement mécanique inégal.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.  
Surtension – Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).  
Fiabilité de la mise à la terre– Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

*Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude).*

*Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).*

### Safety

Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告  
本電池如果更換不正確會有爆炸的危險  
請依製造商說明書處理用過之電池

**Caution:** Slide/rail mounted equipment is not to be used as a shelf or a work space.

**Attention:** Un équipement monté sur bâti ne doit pas être utilisé sur une étagère ou dans un espace de travail.

## Regulatory Compliance

### Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

**WARNING:** Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

### Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

### European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



### Product Safety Electrical Appliance & Material (PSE) - Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

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The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:  
<https://www.fortinet.com/bsmi>

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